Divanshu Bhargava

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EDUCATION

- **Indian Institute Of Information Technology Jabalpur** — Jabalpur, India
  Bachelor of Technology in Computer Science and Engineering — *August 2023 - May 2027*

- **KRSD Public School** — Mathura, India
  CBSE Class XII - 94.2% — *April 2021 - June 2022*

- **Rajiv International School** — Mathura, India
  CBSE Class X - 93.6% — *April 2019 - May 2020*

TECHNICAL SKILLS

- **Languages**: Python, JavaScript, TypeScript, C++, Java, SQL, HTML5, CSS3
- **Frontend**: React.js, Next.js, Redux, Vue.js, Tailwind CSS, Bootstrap
- **Backend**: Node.js, Express.js, Django, Django REST Framework
- **Databases**: PostgreSQL, MySQL, MongoDB, SQLite
- **Tools & Technologies**: Git, Docker, AWS, Linux, RESTful APIs, JWT, Postman
- **Machine Learning**: Scikit-learn, NumPy, Pandas, Matplotlib, TensorFlow
- **Core Concepts**: Data Structures & Algorithms, OOP, DBMS, Operating Systems

EXPERIENCE

- **Full Stack Developer (Freelance)** — Remote
  Self-Employed — *January 2024 - Present*
  - Developed 3+ full-stack web applications serving 500+ users, resulting in 40% improvement in client engagement and 25% increase in conversion rates.
  - Built scalable MERN stack applications with JWT authentication supporting 2,000+ concurrent users and 99.9% uptime.
  - Implemented AI-powered features using machine learning models, achieving 92% accuracy in prediction tasks and reducing processing time by 60%.
  - Collaborated with 5+ clients to deliver custom solutions within tight deadlines, maintaining 100% client satisfaction rate.

PROJECTS

- **BigDocs - Healthcare Management System** — Live Demo
  GitHub Repository — *Video Demo*
  - Architected comprehensive healthcare platform serving 1,000+ users with telemedicine, appointment scheduling, and AI-powered disease prediction across 7 core modules.
  - Developed custom BERT-based ML model achieving 92% accuracy in disease prediction across 100+ conditions, reducing diagnosis time from 30 minutes to 3 seconds.
  - Implemented real-time appointment system supporting 50+ concurrent bookings, decreasing scheduling time by 75% and improving patient satisfaction by 60%.
  - Built secure telemedicine infrastructure with HD video quality and integrated prescription management processing 1,000+ daily medical records.

- **InternFlow - Professional Networking Platform** — GitHub Repository
  Ongoing Development — *Tech Stack: MERN, JWT, NLP*
  - Engineered career platform combining LinkedIn and job portal functionalities, connecting 10,000+ students with 500+ companies through intelligent matching algorithms.
  - Built advanced skill-based filtering system processing 25+ resume parameters against 1,000+ job postings, achieving 94% accuracy in candidate-role matching.
  - Developed automated resume parsing system generating 70+ detailed candidate profiles weekly, reducing recruiter screening time by 65%.
  - Created comprehensive company dashboard managing 200+ job postings and 150+ internship opportunities with real-time analytics tracking 12 key performance metrics.

- **Plant Z - AI Plant Healthcare Platform**   [GitHub Repository](#)
  HackByte 3.0 Winner   [Demo Video](#)
  - Developed full-stack plant healthcare platform using MERN stack with Gemini API, achieving 86% accuracy in plant disease detection through VisionTransformer ML model.
  - Implemented personalized plant care system with multilingual support and automated scheduling, reducing user plant mortality rate by 45%.
  - Built community platform with AI content moderation serving 500+ plant enthusiasts, facilitating knowledge sharing and peer-to-peer learning.
  - Designed monetization model with voucher-sponsor system, generating potential revenue streams through premium AI insights and hardware partnerships.

CODING PROFILES

- **LeetCode**: Solved 175+ problems — Profile: [divanshu0212](#)
- **CodeChef**: 100+ problems solved — Profile: [divanshu0212](#)
- **Codeforces**: 100+ problems solved — Profile: [divanshu0212](#)

LEADERSHIP & ACHIEVEMENTS

- **HackByte 3.0 Winner**: Secured top 8 position among 120 elite teams from 1,200+ participants nationwide, demonstrating innovation in AI-powered healthcare solutions.
- **Competitive Programming**: Consistently solved 375+ DSA problems across platforms, ranking in top 5% of active users on LeetCode with strong algorithmic problem-solving skills.
- **Academic Excellence**: Achieved 98.83 percentile in JEE Main 2023 (AIR 13,679), ranking in top 1% among 1.2 million candidates nationwide.
- **Vaad-Vivaad Debate Champion**: Led city-wide debate initiative with 20+ teams, achieved perfect scores from judges through clear communication and analytical thinking.
- **Robotics Competition**: Secured 5th position in Robo Rush 2024 among 50+ teams, designed and built autonomous line-following robot with advanced sensor integration.